

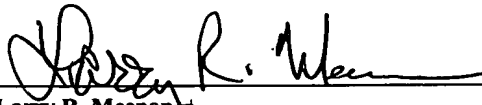


PATENT
K-2104

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Date: May 28, 2004


Larry R. Meenan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Application of:)	
BERNHARD W. BORSCHERT et al.)	Group Art Unit 3722
)	
Serial No. 10/738,469)	Confirmation No. 8203
)	Examiner To be assigned
Filed: December 17, 2003)	
)	
For: TWIST DRILL)	Attorney Docket K-2104

May 28, 2004

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INFORMATION DISCLOSURE STATEMENT

Applicant(s) submit herewith patents, publications or other information, of which they are aware and that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose. The Information Disclosure Statement submitted herewith is being filed:

- ☒ under 37 CFR 1.97(b); within three (3) months of the filing of a national application; within three (3) months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing date of a first Office Action on the merits; or before the mailing of a first office action after the filing of a request for continued examination under § 1.114, whichever event occurs last.
- ☐ under 37 CFR 1.97(c); after three (3) months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either a Final Action under 37 CFR 1.113, or a Notice of Allowance under 37 CFR 1.311, whichever occurs first. Also submitted herewith is:

- ☐ a statement as specified in 37 CFR 1.97(e); or
- ☐ the fee of \$180.00 set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c) to be paid as provided below.
- ☐ under 37 CFR 1.97(d); after a Final Action under Section 1.113, or a Notice of Allowance under Section 1.311, whichever occurs first, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is a statement as specified in 37 CFR 1.97(e) and the fee of \$180.00 set forth in 37 CFR 1.17(p) to be paid as provided below.

STATEMENT UNDER 37 CFR 1.97(e)

- ☐ This is a statement under the provisions of 37 CFR 1.97(e) in the above-identified application.
- ☐ Statement Under 37 CFR 1.97(e)(1) - Each item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three (3) months prior to the filing of the information disclosure statement.
- ☐ Statement Under 37 CFR 1.97(e)(2) - No item of information contained in the accompanying information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned person, after making reasonable inquiry, no item of information contained in the accompanying information disclosure statement was known to any individual designated in 37 CFR 1.56(c) more than three months prior to the filing of the information disclosure statement.

PRIOR APPLICATIONS

- ☐ This application relies, under 35 U.S.C. 120, on the earlier filing date of prior application(s):

Serial No. _____, filed on _____.

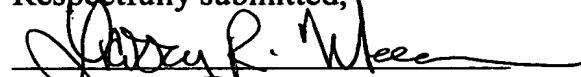
Serial No. _____, filed on _____.

Those references listed on the attached form and not submitted herewith were submitted to, and/or cited by, the Office in the prior application(s) identified above and therefore, are not required to be provided in this application.

FEES

- ☐ A check in the amount of _____ is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge any fees that may be required by this submission and to credit Deposit Account No. 502867 any overpayment. A duplicate copy of this sheet is enclosed.

Respectfully submitted,



Larry R. Meenan
Attorney for Applicant(s)
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Date: May 28, 2004

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PTO/SB/08A (08-00)

Approved for use through 10/31/2001. OMB 0651-0031

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Substitute for form 1449A/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/738,469		
		Filing Date	December 17, 2003		
		First Named Inventor	Bernhard W. Borschert		
		Group Art Unit	3722		
		Examiner Name			
Sheet	1	of	2	Attorney Docket Number	K-2104

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ²			
		5,350,261 *		Takaya et al.	09-27-1994	
		4,556,347		Barish	12-03-1985	
		6,190,097	B1	Thomas	02-20-2001	
		4,756,650		Wakihara et al.	07-12-1988	
		5,678,960		Just et al.	10-21-1997	
		5,312,209		Lindblom	05-17-1994	
		5,478,176		Stedt et al.	12-26-1995	
		6,045,305		Plummer	04-04-2000	
		6,050,754		Thomas	04-18-2000	
		6,283,682	B1	Plummer	09-04-2001	
		4,992,009		Wallach	02-12-1991	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵				
		GB	2310622	A	Black & Decker	09-03-1997		
		FR	2829715					
		DE	29722002					
		SU	1774904	A			* English Abstract	*
		DE	1106144					T
		JP	3117532				* US equivalent 5,350,261	*
		JP	61226209					

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/738,469
				Filing Date	December 17, 2003
				First Named Inventor	Bernhard W. Borschert
				Group Art Unit	3722
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	K-2104

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹		T ²
		German Publication, Zerspanungswerkzeuge für den Sondermaschinenbau und automatische Fertigungstaktstraßen, Von Vladimir Rocek, Technischer Verlag Günter Grossmann GmbH, Stuttgart-Vaihingen, 1972, pp. 78-79, Germany.	
		Catalogue 2071, "Holemaking New Products," Kennametal Inc., Latrobe, PA, 2002.	
		OGAWA, MAKOTO et al., "Micro drilling of 5056 wrought aluminum alloy," Keikinzoku/Journal of Japan Institute of Light Metals, 44 9 Sept. 1994, pp. 486-491, Japan.	
		Brochure "Ken-Tip Drill," Kennametal Inc., Latrobe, PA, Pages H112-H115.	

Examiner Signature		Date Considered	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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